P: ISSN NO.: 2394-0344
E: ISSN NO.: 2455-0817
Remarking An Analisation
RNI No.UPBIL/2016/67980
Vol-I* Issue-V*August - 2016

Knowledge Level of Adolescent Girls About Home Science

Abstract

The present investigation was done to study the knowledge of Home Science innovations by the adolescent girls. For the study sixty adolescent girls age group fourteen to twenty one were selected from Paraspur village District Kannoj. The findings of the study indicating that majority of the adolescent girls were having low level of knowledge (100%) in use of vacuum cleaner, (96.67%) in use of microwave, (76.67%) methods of fermentation, (73.33%) tomato sauce preparation, (68.33%) in method of cooking, (60%) use of mixer and juicer, (61.67%) use of washing machine.

Keywords: Home Science,Equipments, Nutrition, Knowledge,Fermentation

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Introduction

Home Science gives knowledge for facing new challenges, to cope with knowledge explosion, technological advancements, new developments and growing needs of individual for successful living in society. For the adolescent girls Home Science innovations knowledge level is very important for their life.

Adolescent are future parents particularly women play a significant role in the development of their off spring. So if they have better knowledge and awareness of Home Science they improve the status of family members and good health can be maintained. (Thanuja & V. Ramya 2007).

India has the largest population of adolescent which include young girls in the world being home to 243 million individuals aged 10-19 years, constitutes 20 per cent of world's 1.2 billion adolescents. For the present investigation efforts were made to assess Home Science innovation knowledge of adolescents girls. The present study was under taken with the following specific objectives.

1. The assess the socio personal characteristics of respondents.
2. To assess the knowledge level of Home Science innovation.

Methology

The study was conducted in Paraspur village District Kannoj purposively. In this study sixty adolescent girls were selected as sample in the age group of Sixteen to Twenty one years. Their Home Science innovation knowledge was assessed with the help of questionnaire.

Date were collected through personal interview technique. The questionnaire which was developed by the investigator comprises of general information such as name, age and educational level. For assessment of home science innovation knowledge the question were asked only under the followings headings.

1. Related to cooking and preservation.
2. Related to home equipments.

Aim of the Study

1. Use of scientific knowledge in managing home life
2. To achieve family happiness and use of available services and facilities.

Result and Discussion

After surveying on Sixty adolescent girls in the District of Kannoj.

Table 1

Distribution of Adolescent Girls by Age Group

Age in year	Adolescent Girls	% Adolescent Girls
14-16	10	16.67
16-18	34	56.67
18-21	16	26.66
Total	60	100.00

Table 1- Shows the distribution of adolescent girls according to age group 16.67% of adolescent girls belonged to 14-16 years. 56.67% of

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adolescent girls were in the age group 16-18 years, 26.66% of adolescent girls were belonged to age group 18-21 years.Majority of the adolescent girls in Paraspur village were in 16-18 years.

Table 2

Distribution of Adolescent Girls by EducationLevel

Level of Education	Adolescent Girls	% Adolescent Girls
Illiterate	NIL	00.00
Primary School	NIL	00.00
High School	12	20.00
Intermediate	30	50.00
College level	18	30.00
Total	60	100.00

Table 2 shows the distribution of adolescent girls according to education level. Twenty per cent of adolescent girls were high school, fifty per cent of adolescent girls were intermediate and thirty per cent adolescent girls were college level education.

Table 3

Distribution of Adolescent Girls by Family Type.

Type of family	Adolescent girls	% Adolescent girls
Nuclear	51	85
Joint	09	15
Total	60	100

Table 3 shows that distribution of adolescent girls according to family type, eighty five per cent adolescent girls were belonging nuclear family followed by fifteen per cent were joint family.

Table 4

Distribution of Adolescent Girls by their Marital Status

Marital States	Adolescent girls	Per cent
Married	06	10
Unmarried	54	90
Total	60	100

Table 4 shows that ninety per cent adolescent girls were unmarried and ten per cent were married in the present study.

Table 5

Distribution of adolescent girls by Environmental Status

Hygienic level	Adolescent girls	Per cent
Hygienic	48	80
Unhygienic	12	20
Total	60	100

Table 5 shows the distribution of adolescent girls according to their living status eighty, per cent adolescent girls maintain hygienity and twenty per cent unhygienic.

Table 6

Distribution of Adolescent Girls Awareness Developed

Awareness	Adolescent girls	% of Adolescent girls
Nutritionist/Physician	05	08.33
Family Member	20	33.33
Friends	10	16.67
Mass media	25	41.67
Total	60	100

Table 6 shows that the distribution of adolescent girls how awareness developed. Adolescent awareness by Nutritionist/ Physician 8.33%, aware by family members 33.33%,by their friends 16.67% major of adolescent girls aware by mass media such as TV, radio and newspaper etc.

Table 7

Distribution of Adolescent Girls According to level of Knowledge Nutritive Value of Green Leafy Vegetable

Knowledge	Frequency	Percentage
Nutritive value of green leafy vegetable		
Low	22	33.67
Medium	29	48.33
High	09	15.00
Total	60	100.00

Table 7 shows that in case of Nutritive value of green leafy vegetable maximum number of adolescent girls were having medium level of knowledge (48.33%) followed by low level of knowledge (33.67%) only fifteen per cent of respondents were having high level of knowledge about nutritive value of green leafy vegetable.

Table 8

Distribution of adolescent girls according to level of knowledge about methods of cooking

Knowledge	Frequency	Percentage
Methods of Cooking		
Low	41	68.33
Medium	11	18.33
High	08	13.34
Total	60	100.00

Table 8 shows that in case of methods of cooking maximum number of respondents were having low level of knowledge (68.33%) followed by medium level of knowledge (18.33%). only (13.34%) adolescent girls were having high level of knowledge about cooking methods.

Table 9

Distribution of Adolescent Girls According to level of Knowledge about tomato Sauce Preparation

Knowledge	Frequency	Percentage
Tomato saucepreparation		
Low	44	73.33
Medium	11	18.33
High	05	08.34
Total	60	100.00

Table 9 shows that in case of Tomato sauce preparation maximum number of adolescent girls were having low level of knowledge (73.33%) followed by medium level of knowledge (18.33%) only (08.34%) adolescent girls having high level of knowledge about tomato sauce preparation.

Table 10

Distribution of Adolescent Girls According to level of Knowledge Methods of Preservation

Knowledge	Frequency	Percentage
Methods of preservation		
Low	27	45.00
Medium	33	55.00
High	--	00.00
Total	60	100.00

Table 10 shows that in case of Methods of preservation maximum number of respondents were having medium level of knowledge (55%) followed by

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low level of knowledge (45). Not any respondent were found in the high category of knowledge respectively.

Table 11

Distribution of Adolescent Girls According to level of Knowledge Methods of Fermentation

Knowledge	Frequency	Percentage
Methods ofermentation		
Low	46	76.67
Medium	12	20.00
High	02	03.33
Total	60	100.00

Table 11 shows that in case of fermentation methods maximum number of respondents were having low level of knowledge (76.67%) followed by medium level of knowledge (20.00%).only 03.33per cent of respondents were having high level of knowledge about methods of fermentation.

Table 12

Distribution of Adolescent Girls According to level of Knowledge About use of Microwave

Knowledge	Frequency	Percentage
Use of Microwave		
Low	58	96.67
Medium	02	03.33
High	00	00.00
Total	60	100.00

Table 12 shows that in case of use of microwave maximum number of adolescent girls were having low level of knowledge about use of microwave(96.67%) followed by medium level of knowledge (03.33%). Not any respondent was found in the high level of knowledge.

Table 13

Distribution of Adolescent Girls According to level of Knowledge About use of Washing Machine

Knowledge	Frequency	Percentage
Use of Washing Machine		
Low	37	61.67
Medium	19	31.67
High	04	06.66
Total	60	100.00

Table 13 shows that in case of use of washing machine maximum number of respondents were having low level of knowledge (61.67%) followed by medium level of knowledge (31.67%). only 06.66 per cent of respondents were having high level of knowledge about Use of Washing Machine.

Table 14

Distribution of Adolescent Girls According to level of Knowledge About Use of Vacuum Cleaner

Knowledge	Frequency	Percentage
Use of Vacuum cleaner		
Low	60	100.00
Medium	00	00
High	00	00
Total	60	100.00

Table 14 shows that hundred per cent adolescent girls were having low level of knowledge about use of Vacuum cleaner.

Table 15

Distribution of Adolescent Girls According to level of Knowledge About use of Mixer & Juicer

Knowledge	Frequency	Percentage
Use of Mixer & Juicer		
Low	36	60
Medium	21	35
High	03	05
Total	60	100.00

Table 15 shows that sixty per cent adolescent girls were having low level of knowledge about mixer & juicer followed by thirty five per cent were having medium level of knowledge only five per cent of were having high level of knowledge about mixer & juicer.

Conclusion

It can be concluded that hundred per cent of respondents were not aware about the use of vacuum cleaner and use of Microwave (96.67%). Majority of adolescent girls were having low level of knowledge about methods of fermentation, method of cooking, tomato sauce preparation, use of washing machine, mixer & juicer. But they have medium level of knowledge about nutritive value of green leafy vegetable of methods of food preservation.

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